FEDERAL SUPPLY CLASS
5940

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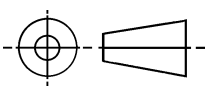
THIRD ANGLE PROJECTION



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PREPARED BY SAE SUBCOMMITTEE AE-8C2

SAE The Engineering Society For Advancing Mobility Land Sea Air and Space®
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400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

TERMINAL JUNCTION SYSTEM, TERMINAL JUNCTION BLOCKS, SECTIONAL, MODULES, ELECTRONIC, FEEDBACK TYPE, SIZES 20-3, 20-4, 20-5 VERTICAL MOUNTING WITH INTEGRAL BRACKET, SERIES I

AS81714/30
SHEET 1 OF 5

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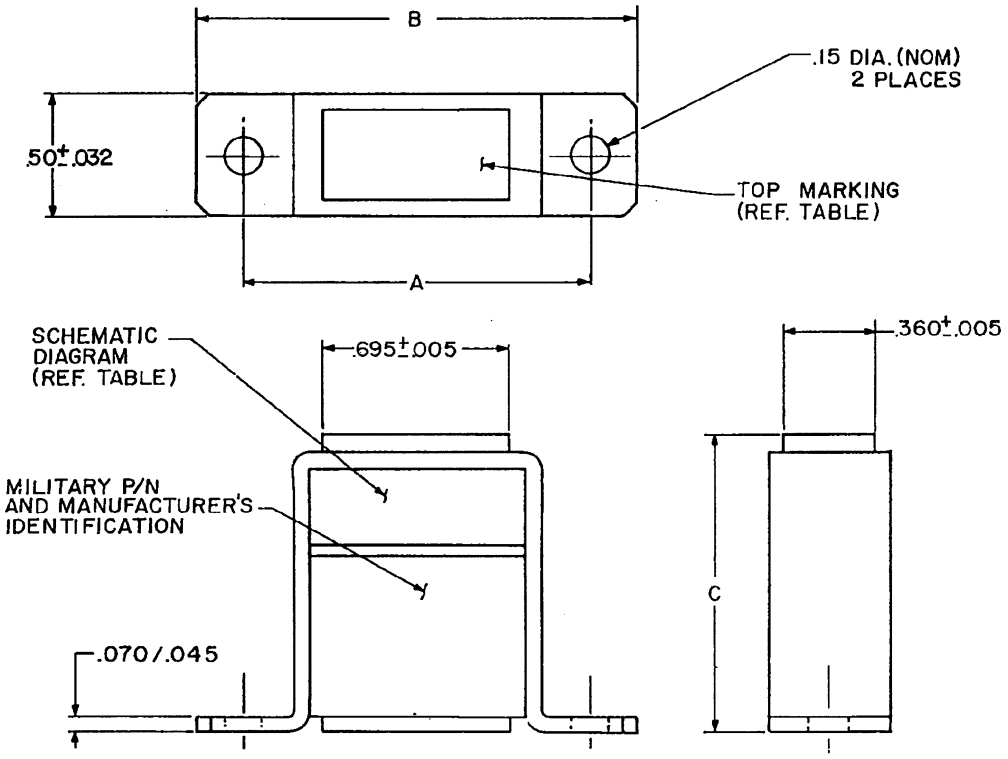
THE COMPLETE REQUIREMENTS FOR ACQUIRING THE BLOCKS DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF SPECIFICATION MIL-T-81714.



Dimensions			
Size	A ± .010	B ± .032	C Max
20-3	1.35	1.75	1.015
20-4	1.35	1.75	1.310
20-5	1.50	1.88	1.310

Inch	mm	Inch	mm	Inch	mm
0.010	0.25	0.150	3.81	1.310	33.27
0.029	0.74	0.360	9.14	1.350	34.29
0.032	0.81	0.500	12.70	1.500	38.10
0.035	0.89	0.695	17.65	1.750	44.45
0.060	1.52	1.015	25.78	1.880	47.75

Sizes 20-* electronic blocks vertical mounting with integral bracket.

TABLE I.

Part Number 1/ 2/	Consists of Block and	
	Contacts Part Number	End Seal Plugs Part Number
M81714/4-***	M39029/1-101	MS27488-20

*** Bussing Arrangement.
1/ See Note 5.
2/ See Note 6.

TABLE I. DASH NUMBERS FOR BLOCKS WITH DIODES.

Dash No.	Size	Figure	Quantity	Part Number	Specification No.
-001	20-3	3	2	JAN TX IN5618	MIL-S-19500/427
-002	20-4	3	2	JAN TX IN5552	MIL-S-19500/420
-003	20-4	1	5	JAN TX IN5618	MIL-S-19500/427
-004	20-4	1	5	JAN TX IN5552	MIL-S-19500/420
-005	20-5	2	6	JAN TX IN5618	MIL-S-19500/427
-006	20-5	2	6	JAN TX IN5552	MIL-S-19500/420

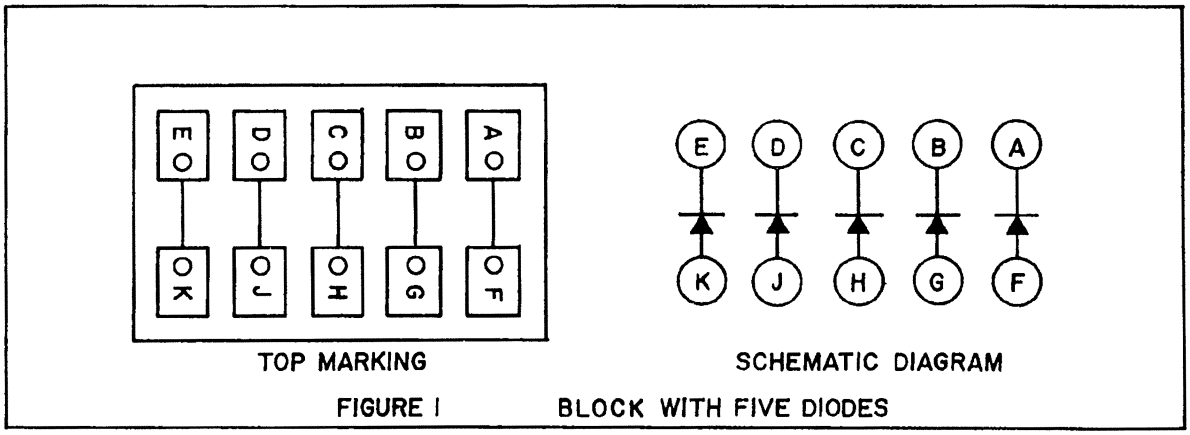


FIGURE 1. BLOCK WITH FIVE DIODES.

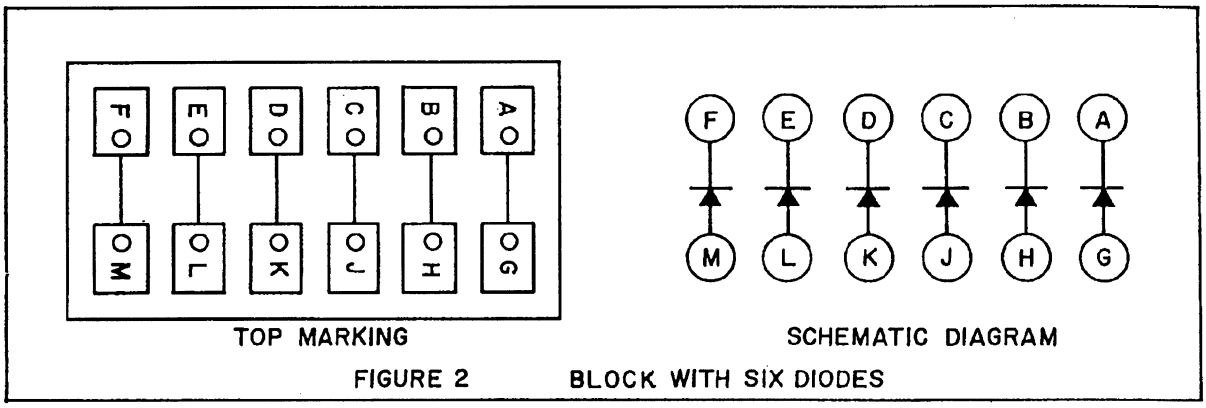


FIGURE 2. BLOCK WITH SIX DIODES.

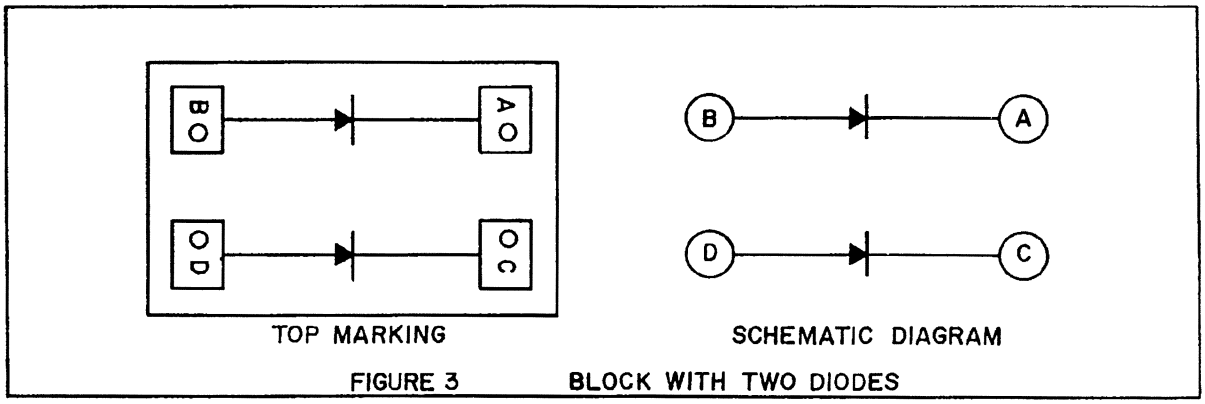


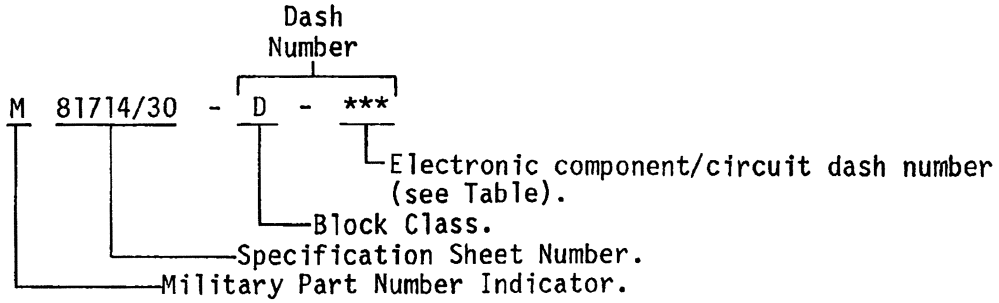
FIGURE 3. BLOCK WITH TWO DIODES.

REQUIREMENTS:

1. MATERIALS:
   a. CURRENT CARRYING MEMBERS OF THE ELECTRONIC IN-LINE JUNCTION SHALL BE IN ACCORDANCE WITH THE IN-LINE JUNCTION SPECIFICATION.
   b. BRACKET FINISH: BLACK ANODIZE IN ACCORDANCE WITH MIL-A-8625, CLASS 2, .00009 INCH THICK MINIMUM.

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. MIL-T-81714 REQUIREMENTS APPLY TO BASIC BLOCK ONLY. FOR RATING AND CHARACTERISTICS OF ELECTRONIC IN-LINE JUNCTION(S), CONSULT COMPONENT SPECIFICATION.
3. TOOL FOR CONTACT INSERTING/REMOVAL IS M81969/14-02 OR M81969/8-06 AND SHALL BE ORDERED SEPARATELY.
4. METRIC EQUIVALENTS (TO THE NEAREST .01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
5. THE PART NUMBER CONSISTS OF THE LETTER M, SPECIFICATION SHEET NUMBER, BLOCK CLASS, AND ELECTRONIC COMPONENT/CIRCUIT DASH NUMBER (SEE TABLE).



PART NUMBER EXAMPLE:

M81714/30-D-001

FEEDBACK TYPE ELECTRONIC BLOCK, CLASS D SIZE 20, WITH -001 CIRCUIT (TWO JAN TX 1N5618 DIODES).

6. CLASSES A, B AND C COMPONENTS ARE INACTIVE FOR NEW DESIGN. ONLY CLASS D COMPONENTS SHALL BE USED FOR DIRECT GOVERNMENT ACQUISITION.